AMENDMENTS TO THE CLAIMS

1. – 14. (Cancelled)

15. (New) A visual data adaptation method comprising:

adapting visual data based on display capability information of a display device in a user terminal; and

outputting the adapted visual data, wherein the display capability information is hierarchically structured to include backlight luminance information as a sub-element of the display capability information, and the backlight luminance information is described as a numerical value ranging from a lowest possible value to a highest possible value.

16. (New) The visual data adaptation method as recited in claim 1, wherein the visual data is RGB data of pixels.

17. (New) The visual data adaptation method as recited in claim 1, wherein the adaptation is to control pixel value of the visual data according to the backlight luminance information by shifting an RGB value, controlling the brightness or contrast of a visual signal, warping histogram, warping histogram in a YUV space, or warping intensity in a Hue, Intensity and Saturation (HIS) space.

18. (New) The visual data adaptation method as recited in claim 1, wherein the backlight luminance information is adjusted according to the adjusted visual data transmitted from the user terminal.

19. (New) A visual data adaptation apparatus comprising:

an adaptation means for adapting visual data based on display capability information of a display device in a user terminal; and

an outputting means for outputting the adapted visual data, wherein the display capability information is hierarchically structured to include backlight luminance information as a sub-

element of the display capability information, and the backlight luminance information is described as a numerical value ranging from the lowest possible value to the highest possible value..

20. (New) The visual data adaptation apparatus as recited in claim 5, wherein the visual data is RGB data of pixels.

21. (New) The visual data adaptation apparatus as recited in claim 5, wherein the adaptation means controls pixel value of the visual data according to the backlight luminance information by shifting an RGB value, controlling the brightness or contrast of a visual signal, warping histogram, warping histogram in a YUV space, or warping intensity in a Hue, Intensity and Saturation (HIS) space.

22. (New) The visual data adaptation apparatus as recited in claim 5, wherein the backlight luminance information is adjusted according to the adjusted visual data transmitted from the user terminal.

23. (New) A computer readable storage medium in which metadata is recorded, the metadata comprising:

display capability information of a display device in a user terminal, wherein visual data is adapted according to the display capability information and the display capability information is hierarchically structured to include backlight luminance information as a sub-element of the display capability information, and the backlight luminance information is described as a numerical value ranging from the lowest possible value to the highest possible value.

24. (New) The computer readable storage medium as recited in claim 9, wherein the visual data is RGB data of pixels.

25. (New) The computer readable storage medium as recited in claim 9, wherein the adaptation is to control pixel value of the visual data according to the backlight luminance

information by shifting an RGB value, controlling the brightness or contrast of a visual signal, warping histogram, warping histogram in a YUV space, or warping intensity in a Hue, Intensity and Saturation (HIS) space.

26. (New) The computer readable storage medium as recited in claim 9, wherein the backlight luminance information is adjusted according to the adjusted visual data transmitted from the user terminal.